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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/839,696	04/19/2001	Brian Perry	CLON-037CON	3391
41064	7590 05/23/2005		EXAM	INER
	C, FIELD & FRANCIS	GUPTA,	GUPTA, ANISH	
1900 UNIVERSITY AVENUE SUITE 200		ART UNIT	PAPER NUMBER	
EAST PALO ALTO, CA 94303			1654	

DATE MAILED: 05/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/839,696	PERRY ET AL.				
Office Action Summary	Examiner	Art Unit				
	Anish Gupta	1654				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 10 January 2005.						
Disposition of Claims	•					
4) ☐ Claim(s) 14-17,39-42 and 44 is/are pending in the day of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 14-17,39-42 and 44 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
Notice of References Cited (PTO-892)	4) 🔲 Interview Summary Paper No(s)/Mail Da					
2)		atent Application (PTO-152)				

DETAILED ACTION

- 1. The amendment filed 1-1-05 is acknowledged. Claims 38 and 43 were canceled. Claims 14-17, 39-42 and 44 are pending in this application.
- 2. The indicated allowability of claims 43-44 are withdrawn in view of the newly discovered reference(s) to Mantovaara et al. Rejections based on the newly cited reference(s) follow.
- 3. All rejection made in the previous office action and not cited herein are hereby withdrawn.

New Grounds For Rejections

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 14-17, 39-42 and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by Mantovaara et al. and Porath et al.

The claims are drawn to a method of synthesizing carboxymethylated aspartate agarose chelating resin.

Mantovaara et al. Teaches the synthesis of caboxymethylated aspartic acid agarose by subjeting separose 6B with epicholorhydrin (see page 316). The reference of Porath et al. states that carbohydrates such as agarose with epicholorhydrin yield oxirane-agarose (see col. 2, lines 18-28).

Application/Control Number: 09/839,696

Art Unit: 1654

Thus, the reaction of sepharose 6B (agarose) with epichlorohydrin yield oxirane-agarose.

Mantovaara et al. then teaches resulting product is reached with aspartic acid and washed with a solution of NaHCo3/Na2CO3 in sodium hydroxide (see page 317). The reaction take place at

room temperature (see page 316). Mantovaara et al. teach the affinity of the CM-asp agarose where

Page 3

the metal ion is Co, Cu, and Ca (see page 318). Note that both Co and Cu will have two valencies

for complexing the aspartate agarose. The reference discloses the adsorption amount of the metal

for all of the metal recited above (see table I, page 317). Thus, the reference does teach the addition

of metal ions other than Calcium as applicants contend.

5. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Anish Gupta whose telephone number is (571)272-0965. If attempts to reach

the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce Campel, can normally

be reached on (571) 272-0974. The fax phone number of this group is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application should be directed

to the Group receptionist whose telephone number is (703) 308-0196.

Patent Examiner